



# Directorate General of Civil Aviation

## AIRWORTHINESS DIRECTIVE

**AD No. 023**

**Issued/Date:** 04.07.2011

No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with DGCA or the state of registry, as applicable.

**Type Approval Holder's Name**

Rotary Wing Research & Design Centre, Hindustan Aeronautics Limited, Bangalore.

**Type/Model designation(s)**

All Civil variant DHRUV helicopters

**TCDS No.:** 5-8/96-RD

**Foreign AD Number:** Not Applicable

**Supersedure:** None

**ATA 76-10**

Engine Controls – Power Control – Inspection of collective pitch anticipator

**Manufacturer(s):**

Helicopter Division, Hindustan Aeronautics Limited, Bangalore

**Applicability:**

Model number	Serial number
Dhruv (C)	PTC2, DCWR -01 onwards.
Dhruv (CFW)	DW-28, DW-63, DW-77 and DW-78, DCWF- 01 onwards
Dhruv (CS)	DS-35, DS-51, DS-65 and DCS -01 onwards

<b>Reason:</b>	<p>During a sortie on one of the military Dhruv helicopter, at hover, prior to take off, low rotor warning was observed. Helicopter carried out a safe precautionary landing. On further investigation, it was noticed that the fixed eye-end of the collective pitch anticipator (CPA), p/n 34LL03C502W3290 was detached from the body of CPA. Such failure may affect handling qualities of helicopter adversely.</p> <p>Since an unsafe condition has been identified and that is likely to develop on other aircraft of the same type design, this Airworthiness Directive is being issued for carrying out one time check on the CPA fixed eye-end attachment to ascertain any such damage in the fleet of civil variant ALH (Dhruv helicopter) in operation and replacement of CPA in case of any such damage on civil Dhruv helicopters and submit the compliance certificate to Airworthiness Group of RWR&amp;DC, HAL, Bangalore through Customer Services Department of Helicopter Division.</p>
<b>Effective Date:</b>	Within 21 days after final AD issue date.
<b>Compliance:</b>	Carry out the inspection on civil variant ALH (Dhruv helicopter) as per Alert Service Bulletin No. 201 761 A371; Rev A, dated 23.03.2011 after receipt of this Airworthiness Directive, if not already accomplished.
<b>Ref. Publications:</b>	RWR & DC-HAL Alert Service Bulletin No. 201 761 A371, Rev A, dated 23.03.2011
<b>Remarks:</b>	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, Dy. Director General (AED), New Delhi may accept Alternative Methods of Compliance for this AD.</li> <li>2. Enquiries regarding this AD should be addressed to Deputy Director General (AED), Office of the Director General of Civil Aviation, Civil aviation Department, Opposite Safdarjung Airport, New Delhi – 110003. E-mail: <a href="mailto:lalit.dgca@nic.in">lalit.dgca@nic.in</a>.</li> <li>3. For any questions concerning the technical content of the requirements in this AD/above referred ASB, please contact: Customer Services Department, ALH civil, Helicopter Division, Hindustan Aeronautics Limited, Vimanapura post, Bangalore – 560017. INDIA. Tele-Fax no: +91 -80-2522 4088. Email: csdalh@yahoo.com.</li> </ol>

This AD, which prescribes/mandates action to be performed on to helicopters as stated above to restore an acceptable level of safety is hereby issued pursuant to CAR 21.3B. TC holder/ Operators are required to comply with the above stated AD within the stipulated time.

(Lalit Gupta)  
Deputy Director General of Civil Aviation  
For Director General of Civil Aviation